

ABSTRACT

5 A method and apparatus for readily and reliably  
screening olfactory mucosa stimulating compounds are  
provided. An olfactory mucosa stimulating compound is  
sprayed through an atomizing nozzle 33 to an olfactory mucosa  
of a rat fixed in a test animal fixing device 32. A measuring  
electrode portion 10 is implanted in an olfactory bulb of  
the rat for measuring an electrical signal generated in the  
10 olfactory bulb. Efficacy of the olfactory mucosa  
stimulating compound is determined based on a correlation  
between an electrical signal measured by the measuring  
electrode portion 10 when the olfactory mucosa stimulating  
compound is sprayed on the olfactory mucosa of the rat and  
15 a physiological response induced in the rat.